

F3
submitted, amino acid 81 (within framework 3) is E, or glutamic acid. SEQ ID NO:58 depicts the incorrect amino acid translation as shown by the typographical errors on the typed sheet reading "Figure 1" that was originally submitted with this disclosure. SEQ ID NO:2 depicts the correct amino acid translation shown in the corrected figures.

In the Claims:

Please cancel claims 60 and 61.

Please amend claims 6, 9, 10, 14, 15, 19, 44, 57-59, 65, 69, 70, 72, 73, and 79 as follows:

Mb G!
F4
6. (Once Amended) An isolated polynucleotide comprising a sequence encoding a polypeptide that is capable of eliciting an anti-HMFG immunological response in a mammal, wherein the polypeptide comprises an immunoglobulin variable region containing the three light chain complementarity determining regions (CDRs) of antibody 11D10 or an immunoglobulin variable region containing the three heavy chain CDRs of antibody 11D10, wherein antibody 11D10 is produced by the hybridoma deposited under ATCC Accession No. HB-12020.

F5
9. (Once Amended) A polynucleotide according to claim 6, wherein the immunoglobulin light chain variable region is contained in SEQ ID NO:2.

G
10. (Once Amended) A polynucleotide according to claim 6; wherein the immunoglobulin heavy chain variable region is contained in SEQ ID NO:4.

F6 Mb G!
14. (Thrice Amended) An isolated polynucleotide comprising a region of at least 100 contiguous nucleotides of the sequence contained in SEQ ID NO:1.

F7 Mb G!
15. (Thrice Amended) An isolated polynucleotide comprising a region of at least 75 contiguous nucleotides of the sequence contained in SEQ ID NO:3.

19. (Once Amended) A host cell comprising the polynucleotide of claim 6.

F8 44. (Once Amended) The immunogenic composition of claim 41, wherein the polynucleotide is comprised in a live recombinant virus or viral expression vector.

F9 57. (Twice Amended) A kit for detection or quantitation of a polynucleotide which comprises a sequence encoding a variable region of antibody 11D10 or a portion thereof, said kit comprising the polynucleotide of claim 14 in packaging.

F10 58. (Twice Amended) A kit for detection or quantitation of a polynucleotide which comprises a sequence encoding a variable region of antibody 11D10 or a portion thereof, said kit comprising the polynucleotide of claim 15 in packaging.

F11 59. (Once Amended) The polynucleotide of claim 6, wherein the polypeptide has the light and heavy chain variable region sequences contained in SEQ ID NO:2 and SEQ ID NO:4, respectively.

F11 65. (Once Amended) A polynucleotide according to claim 64, wherein the variable regions are joined by a linker polypeptide of about 5 to 20 amino acids.

F12 69. (Once Amended) A method of preparing a heavy chain variable region of antibody 11D10 comprising expressing the polynucleotide of claim 73 in a host cell.

F13 70. (Once Amended) A kit for eliciting an anti-HMFG immunological response in a mammal comprising the polynucleotide of claim 6 in packaging.

F14 72. (Once Amended) An isolated polynucleotide encoding an immunoglobulin variable region containing the three light chain CDRs in SEQ ID NO:2.

F15 73. (Once Amended) An isolated polynucleotide encoding an immunoglobulin variable region containing the three heavy chain CDRs in SEQ ID NO:4.

FLS
MG

79. (Once Amended) A composition according to any of claims 38, 41, 44, 45, or 66, wherein the polynucleotide is a recombinant polynucleotide.

Please add new claims 81-88 as follows:

81. (New) A composition according to claim 76, wherein the polynucleotide is a recombinant polynucleotide.

82. (New) The polynucleotide of claim 14, comprising a region of at least 150 contiguous nucleotides of the sequence contained in SEQ ID NO:1.

83. (New) The polynucleotide of claim 14, comprising a region of at least 200 contiguous nucleotides of the sequence contained in SEQ ID NO:1.

84. (New) The polynucleotide of claim 14, comprising a region of at least 300 contiguous nucleotides of the sequence contained in SEQ ID NO:1.

85. (New) The polynucleotide of claim 15, comprising a region of at least 100 contiguous nucleotides of the sequence contained in SEQ ID NO:3.

86. (New) The polynucleotide of claim 15, comprising a region of at least 150 contiguous nucleotides of the sequence contained in SEQ ID NO:3.

87. (New) The polynucleotide of claim 15, comprising a region of at least 200 contiguous nucleotides of the sequence contained in SEQ ID NO:3.

88. (New) The polynucleotide of claim 15, comprising a region of at least 300 contiguous nucleotides of the sequence contained in SEQ ID NO:3.